

Table 4. Lead isotopic data from streambed sediments from stream terrace deposits and core samples, Boulder River watershed, Montana

[Data are corrected for mass fractionation; uncertainties are absolute at the 95 percent confidence level and are calculated in the manner of Ludwig (1980)]

Site No.	Sample No. (core interval)	Sample Type	Leachable Pb in ppm	$^{206}\text{Pb}/^{204}\text{Pb}$	$^{207}\text{Pb}/^{204}\text{Pb}$	$^{208}\text{Pb}/^{204}\text{Pb}$	$^{207}\text{Pb}/^{206}\text{Pb}$	$^{208}\text{Pb}/^{206}\text{Pb}$
Boulder River								
1B	99BMB-102a	Terrace	48	18.190 \pm 0.021	15.579 \pm 0.022	38.250 \pm 0.063	0.85644 \pm 0.00048	2.1028 \pm 0.0017
2B	99BMB-103 (a-c)	Terrace	29	17.726 \pm 0.013	15.528 \pm 0.016	37.726 \pm 0.049	0.87598 \pm 0.00029	2.1282 \pm 0.0014
3B	99BMB-104c	Terrace	145	18.072 \pm 0.024	15.568 \pm 0.024	38.153 \pm 0.084	0.86144 \pm 0.00044	2.1111 \pm 0.0032
4B	99BMB-106 (a-c)	Terrace	93	18.088 \pm 0.011	15.575 \pm 0.014	38.195 \pm 0.046	0.86106 \pm 0.00026	2.1116 \pm 0.0013
5B	99BMB-105a	Terrace	94	18.104 \pm 0.012	15.587 \pm 0.015	38.234 \pm 0.047	0.86097 \pm 0.00031	2.1119 \pm 0.0013
6B	99BMB-108a	Terrace	51	18.114 \pm 0.011	15.572 \pm 0.014	38.214 \pm 0.046	0.85963 \pm 0.00026	2.1096 \pm 0.0013
Basin Creek								
3T	98BMF-105	Core	45	18.052 \pm 0.012	15.568 \pm 0.014	38.103 \pm 0.047	0.86244 \pm 0.00026	2.1108 \pm 0.0013
7B	98BMB-406 (a-e)	Core	37	18.096 \pm 0.011	15.562 \pm 0.014	38.097 \pm 0.046	0.86001 \pm 0.00026	2.1053 \pm 0.0013
8B	98BMB-401(c,d,f,h)	Core	42	18.126 \pm 0.011	15.565 \pm 0.014	38.124 \pm 0.046	0.85868 \pm 0.00026	2.1033 \pm 0.0013
9B	98BMB-402 (j-l)	Core	35	18.099 \pm 0.011	15.556 \pm 0.014	38.161 \pm 0.046	0.85952 \pm 0.00026	2.1085 \pm 0.0013
10B	98BMB-403 (e,g-l)	Core	38	18.122 \pm 0.011	15.562 \pm 0.014	38.118 \pm 0.046	0.85873 \pm 0.00026	2.1034 \pm 0.0013
Jack Creek								
12B	98BMB-407 (b-f)	Core	35	18.163 \pm 0.011	15.577 \pm 0.014	38.260 \pm 0.046	0.85763 \pm 0.00026	2.1065 \pm 0.0013
13B	97BMB-122 (e-h)	Core	44	18.094 \pm 0.016	15.582 \pm 0.018	38.236 \pm 0.054	0.86113 \pm 0.00033	2.1132 \pm 0.0014
14B	98BMB-405 (d-g)	Core	55	18.031 \pm 0.011	15.553 \pm 0.014	38.129 \pm 0.046	0.86256 \pm 0.00026	2.1147 \pm 0.0013
15B	98BMB-404h	Core	47	18.095 \pm 0.011	15.582 \pm 0.014	38.210 \pm 0.046	0.86111 \pm 0.00026	2.1117 \pm 0.0013
Uncle Sam Gulch								
17B	97BMB-135 (f-l)	Core	170	17.985 \pm 0.013	15.580 \pm 0.015	38.156 \pm 0.048	0.86628 \pm 0.00027	2.1215 \pm 0.0013
High Ore Creek								
5Ta	97BMF-130 (5d,f;7e,g)	Core	120	18.075 \pm 0.011	15.561 \pm 0.014	38.173 \pm 0.046	0.86087 \pm 0.00026	2.1119 \pm 0.0013
5Tb	97BMF-131(9f,g; 13e,f)	Core	34	18.101 \pm 0.011	15.567 \pm 0.014	38.225 \pm 0.046	0.86001 \pm 0.00026	2.1117 \pm 0.0013
18B	96BMB-139 (g,h)	Core	190	18.016 \pm 0.011	15.559 \pm 0.014	38.162 \pm 0.046	0.86364 \pm 0.00029	2.1182 \pm 0.0013